

ABSTRACT OF THE DISCLOSURE

A method of writing to a non-volatile memory used in rolling code applications includes the steps of initializing multiple bit locations for first and second non-volatile memory locations to provide a first and second value. The second non-volatile memory location initializes all bits except for one to a common state. The first and second values combine according to a predetermined algorithm to obtain a total value used by the rolling code application. The total value is incremented by shifting the one bit not in a common state in the second non-volatile memory location such that only the bit that is being changed back to a common state and the bit being changed to the non-common state experience a write cycle in order to increase the number of total write cycles reliable available for the rolling code application.

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